

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111324AL\
 Data File : FE051189.D
 Signal(s) : FID1B.ch
 Acq On : 13 Nov 2024 05:54
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/13/2024
 Supervised By :Ankita Jodhani 11/14/2024

Integration File: autoint1.e
 Quant Time: Nov 13 11:10:27 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.M
 Quant Title : GC Extractables
 QLast Update : Thu Nov 07 04:56:04 2024
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 ul
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.849	3017928	20.107 ug/ml
Spiked Amount 50.000		Recovery =	40.21%
12) S 1-chlorooctadecane (S...	13.281	2298238	20.243 ug/ml
Spiked Amount 50.000		Recovery =	40.49%
Target Compounds			
1) T n-Nonane (C9)	3.238	2780738	20.097 ug/ml
2) T n-Decane (C10)	4.488	2862125	20.418 ug/ml
3) T A~Naphthalene (C11.7)	6.201	2708532	20.543 ug/ml
4) T n-Dodecane (C12)	6.655	2882414	20.414 ug/ml
5) T A~2-methylnaphthalene...	7.297	2591121	20.713 ug/mlm
6) T n-Tetradecane (C14)	8.482	2826424	20.281 ug/ml
7) T n-Hexadecane (C16)	10.087	2875215	20.261 ug/ml
8) T n-Octadecane (C18)	11.528	2887010	20.216 ug/ml
10) T n-Eicosane (C20)	12.835	2764473	20.200 ug/ml
11) T n-Heneicosane (C21)	13.446	2708341	20.265 ug/ml
13) T n-Docosane (C22)	14.031	2729404	20.530 ug/ml
14) T n-Tetracosane (C24)	15.132	2763877	20.835 ug/ml
15) T n-Hexacosane (C26)	16.151	2792933	20.863 ug/ml
16) T n-Octacosane (C28)	17.100	2865245	21.017 ug/ml
17) T n-Tricontane (C30)	17.986	3040410	20.927 ug/ml
18) T n-Dotriacontane (C32)	18.818	3066629	20.653 ug/ml
19) T n-Tetratriacontane (C34)	19.601	2701200	20.103 ug/ml
20) T n-Hexatriacontane (C36)	20.340	2330022	19.528 ug/ml
21) T n-Octatriacontane (C38)	21.063	2028310	17.821 ug/ml
22) T n-Tetracontane (C40)	21.943	1679981	15.105 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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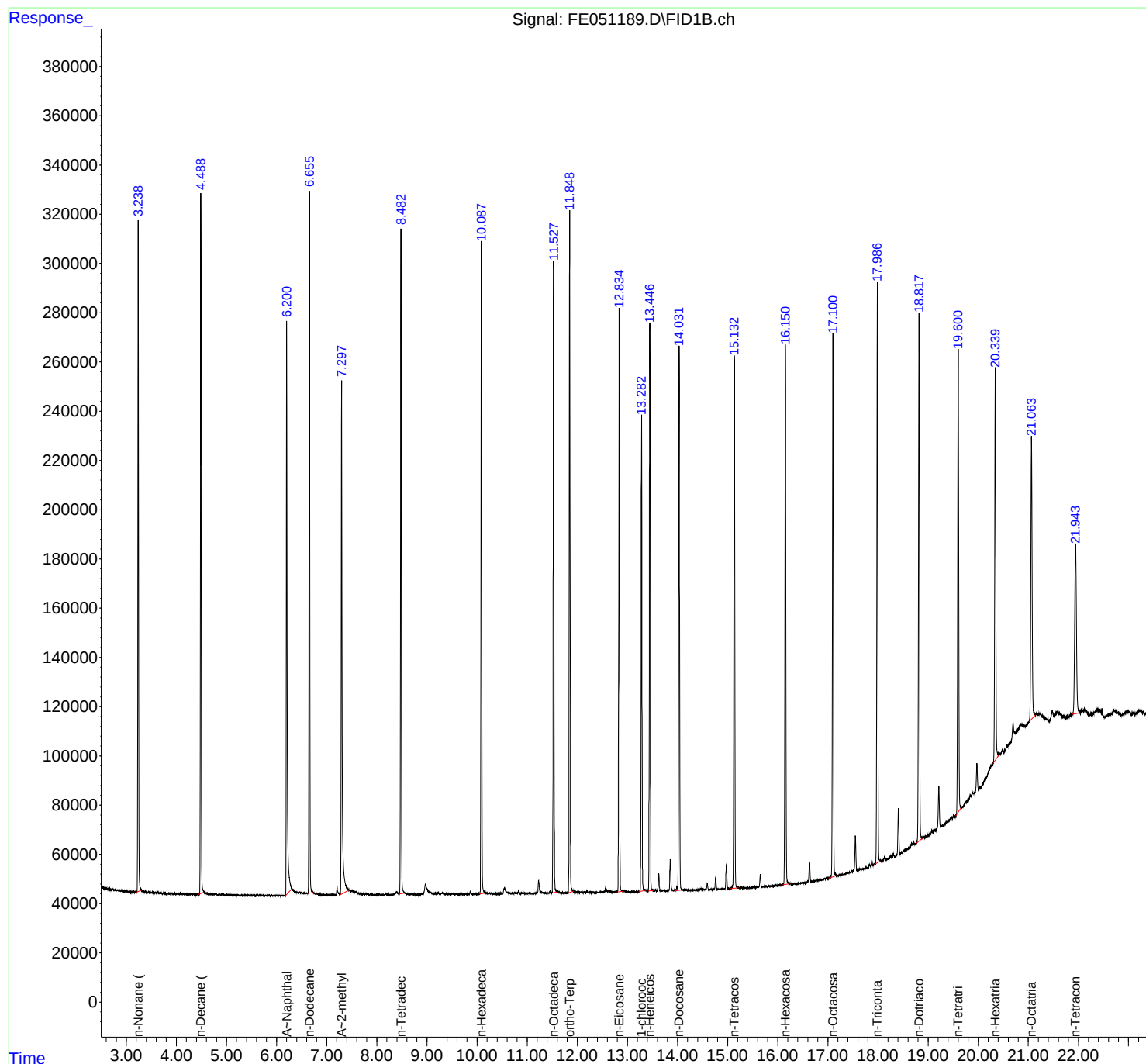
Instrument :
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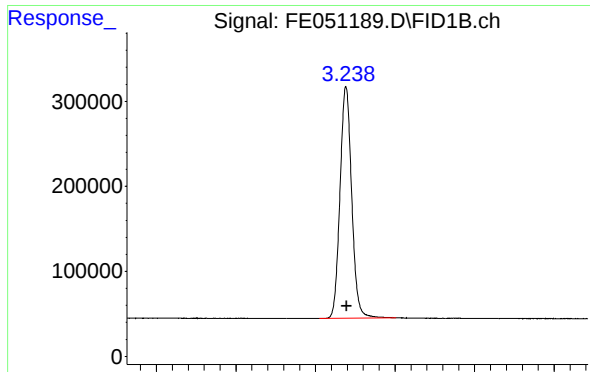
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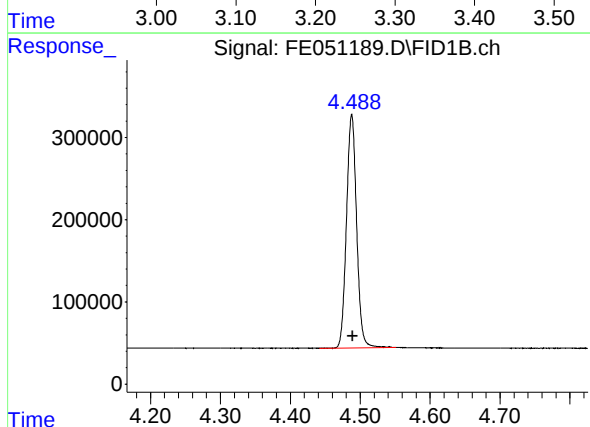
#1 n-Nonane (C9)

R.T.: 3.238 min
Delta R.T.: 0.000 min
Response: 2780738
Conc: 20.10 ug/ml

Instrument :
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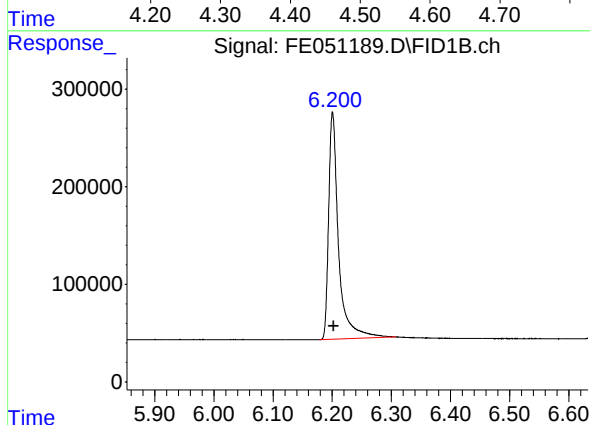
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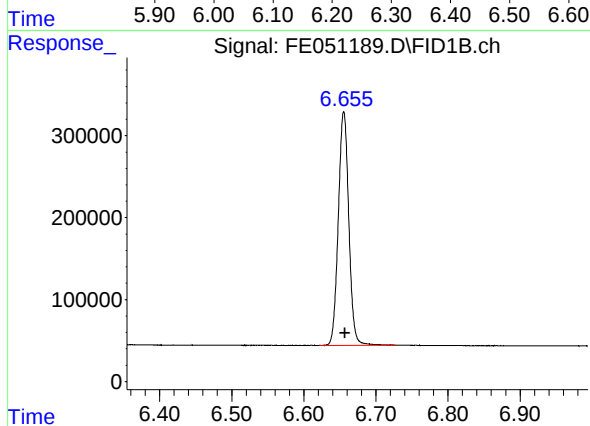
#2 n-Decane (C10)

R.T.: 4.488 min
Delta R.T.: -0.001 min
Response: 2862125
Conc: 20.42 ug/ml



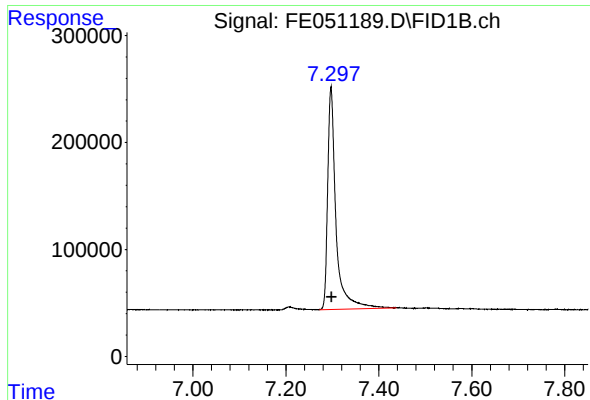
#3 A~Naphthalene (C11.7)

R.T.: 6.201 min
Delta R.T.: 0.000 min
Response: 2708532
Conc: 20.54 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.655 min
Delta R.T.: -0.002 min
Response: 2882414
Conc: 20.41 ug/ml



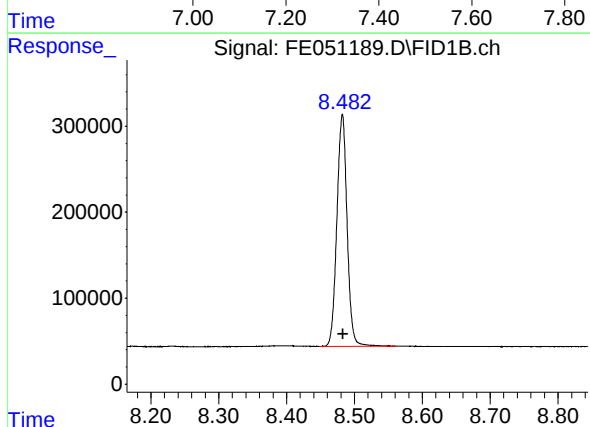
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.297 min
Delta R.T.: -0.001 min
Response: 2591121
Conc: 20.71 ug/ml

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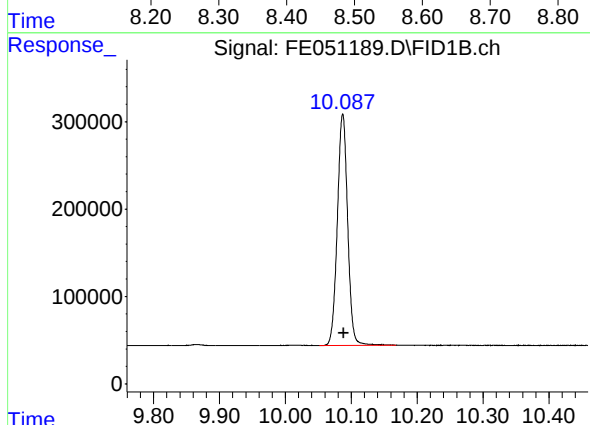
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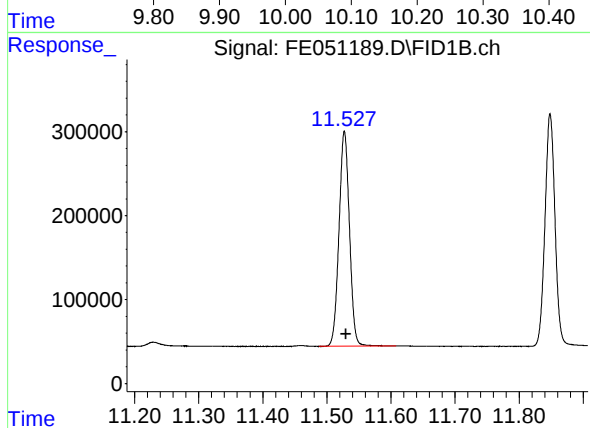
#6 n-Tetradecane (C14)

R.T.: 8.482 min
Delta R.T.: -0.001 min
Response: 2826424
Conc: 20.28 ug/ml



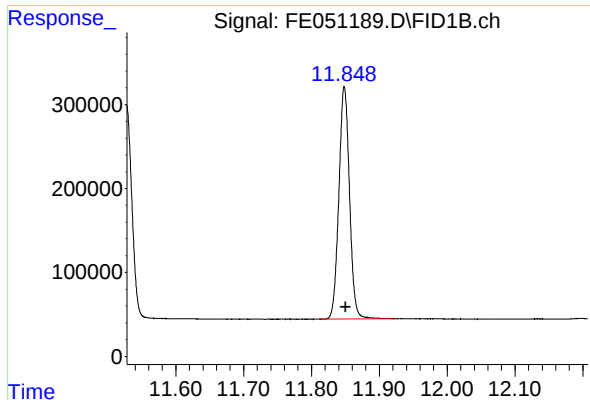
#7 n-Hexadecane (C16)

R.T.: 10.087 min
Delta R.T.: -0.001 min
Response: 2875215
Conc: 20.26 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.528 min
Delta R.T.: -0.002 min
Response: 2887010
Conc: 20.22 ug/ml



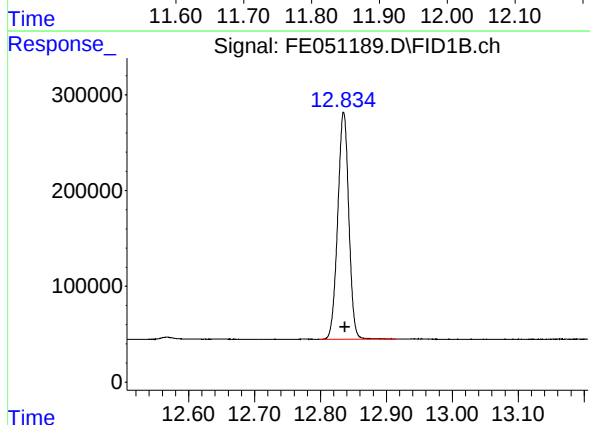
#9 ortho-Terphenyl (SURR)

R.T.: 11.849 min
Delta R.T.: -0.002 min
Response: 3017928
Conc: 20.11 ug/ml

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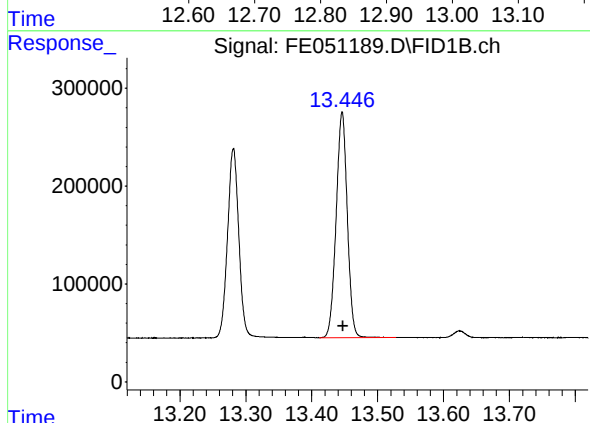
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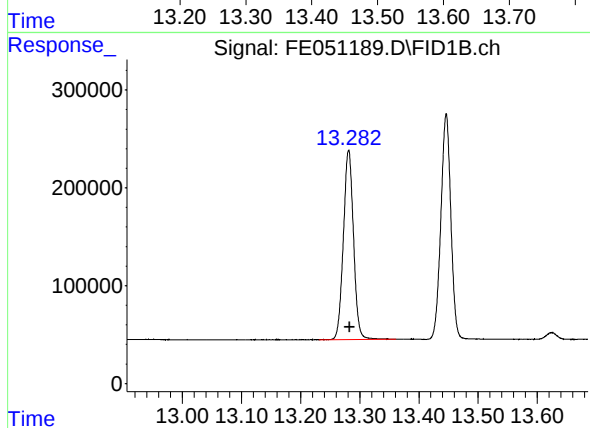
#10 n-Eicosane (C20)

R.T.: 12.835 min
Delta R.T.: -0.002 min
Response: 2764473
Conc: 20.20 ug/ml



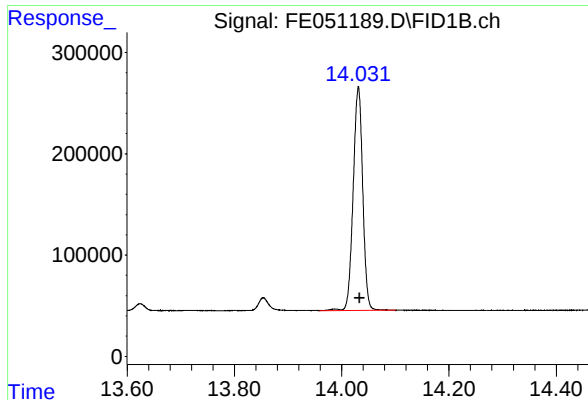
#11 n-Heneicosane (C21)

R.T.: 13.446 min
Delta R.T.: -0.002 min
Response: 2708341
Conc: 20.27 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.281 min
Delta R.T.: -0.002 min
Response: 2298238
Conc: 20.24 ug/ml



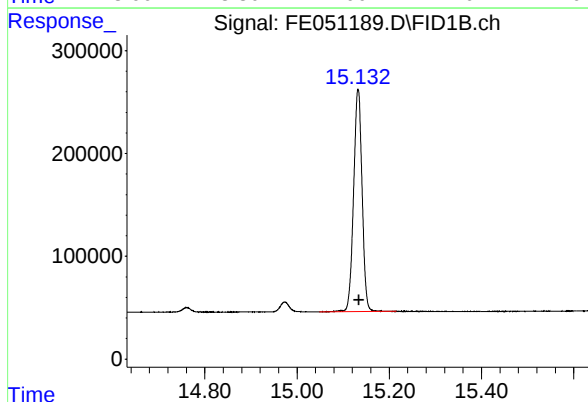
#13 n-Docosane (C22)

R.T.: 14.031 min
Delta R.T.: -0.002 min
Response: 2729404
Conc: 20.53 ug/ml

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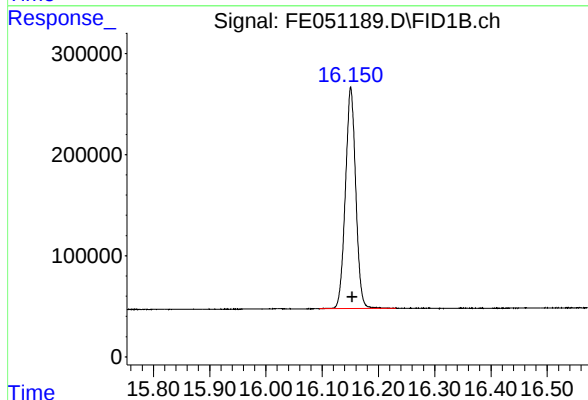
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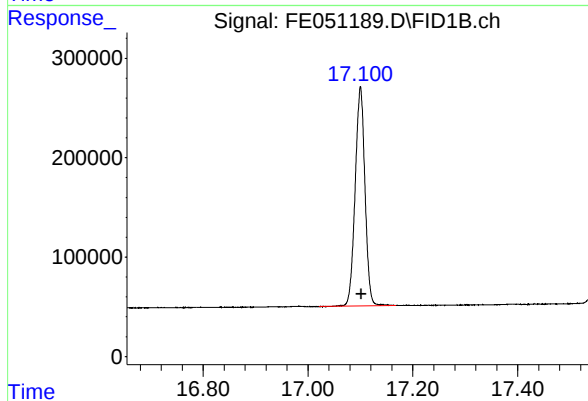
#14 n-Tetracosane (C24)

R.T.: 15.132 min
Delta R.T.: -0.002 min
Response: 2763877
Conc: 20.83 ug/ml



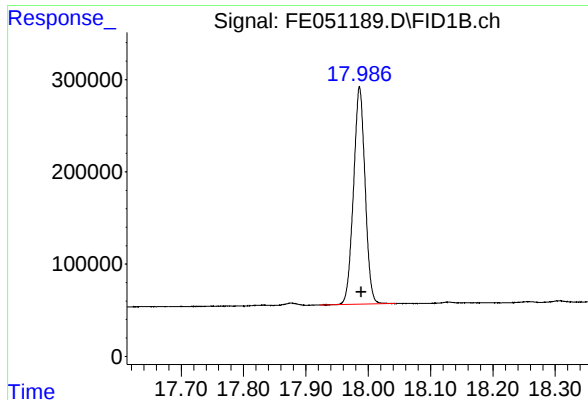
#15 n-Hexacosane (C26)

R.T.: 16.151 min
Delta R.T.: -0.003 min
Response: 2792933
Conc: 20.86 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.100 min
Delta R.T.: -0.002 min
Response: 2865245
Conc: 21.02 ug/ml



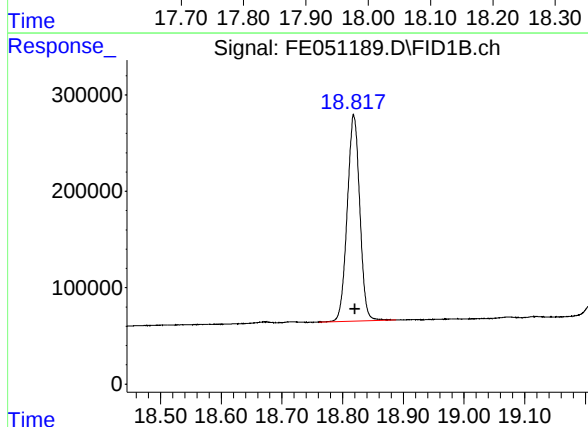
#17 n-Tricontane (C30)

R.T.: 17.986 min
Delta R.T.: -0.003 min
Response: 3040410
Conc: 20.93 ug/ml

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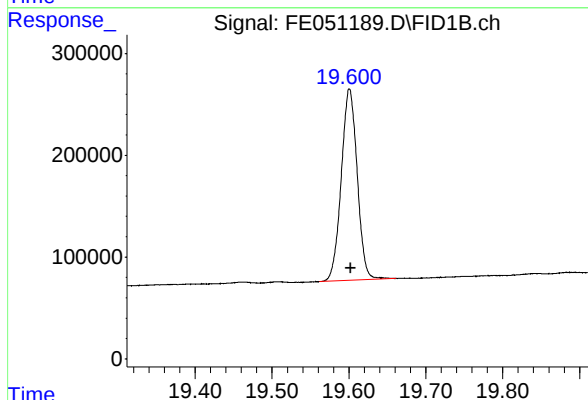
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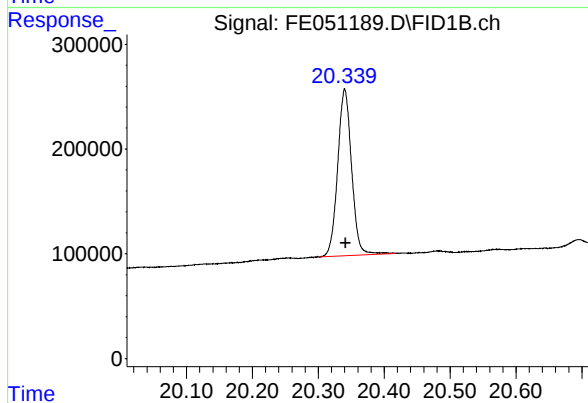
#18 n-Dotriacontane (C32)

R.T.: 18.818 min
Delta R.T.: -0.002 min
Response: 3066629
Conc: 20.65 ug/ml



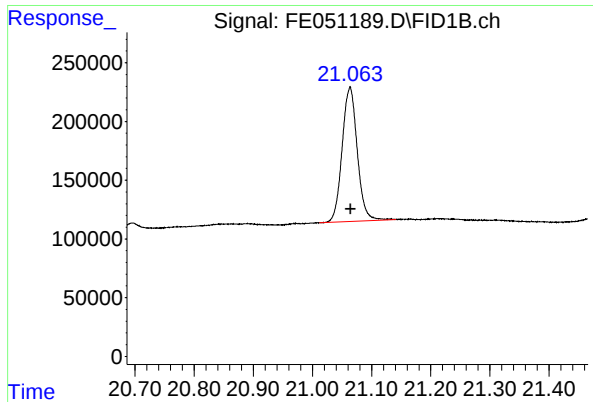
#19 n-Tetratriacontane (C34)

R.T.: 19.601 min
Delta R.T.: -0.001 min
Response: 2701200
Conc: 20.10 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.340 min
Delta R.T.: -0.002 min
Response: 2330022
Conc: 19.53 ug/ml



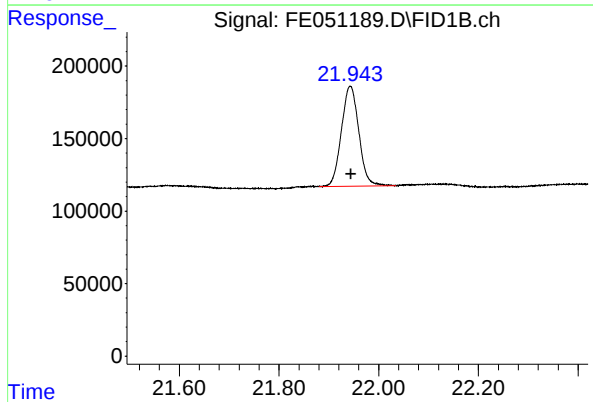
#21 n-Octatriacontane (C38)

R.T.: 21.063 min
Delta R.T.: -0.002 min
Response: 2028310
Conc: 17.82 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.943 min
Delta R.T.: -0.002 min
Response: 1679981
Conc: 15.10 ug/ml m